



California Utility Low Income Energy Efficiency Programs

Leading by Example: Exemplary LIEE Programs

Pacific Gas and Electric Company, Southern California Edison Company,
San Diego Gas and Electric Company, and Southern California Gas Company

Roland Risser, Director of Customer Energy Efficiency, PG&E

Low Income Energy Efficiency Symposium

June 8, 2006

Los Angeles

CA Low Income Energy Efficiency (LIEE) Program Background

- LIEE Programs have been operated by PG&E, SCG, SDG&E and SCE since the 1980's
- LIEE provides energy-saving and no-cost home improvements to income-qualified residential customers
- LIEE is funded through a public purpose charge on customer utility bills
- LIEE Programs were greatly expanded during the 2001 CA Energy Crisis
 - Increased LIEE funding levels
 - Increased eligibility
 - Added measures and appliances



Current LIEE Program

- Serves customers at or below 200% of federal poverty guidelines
- Serves single-family, multi-family and mobile homes
 - Owners and renters
- LIEE participants receive all feasible measures for which they qualify

LIEE Measures

Qualifying LIEE participants receive free energy services and measures, including: energy education, weatherization and energy efficient appliances.

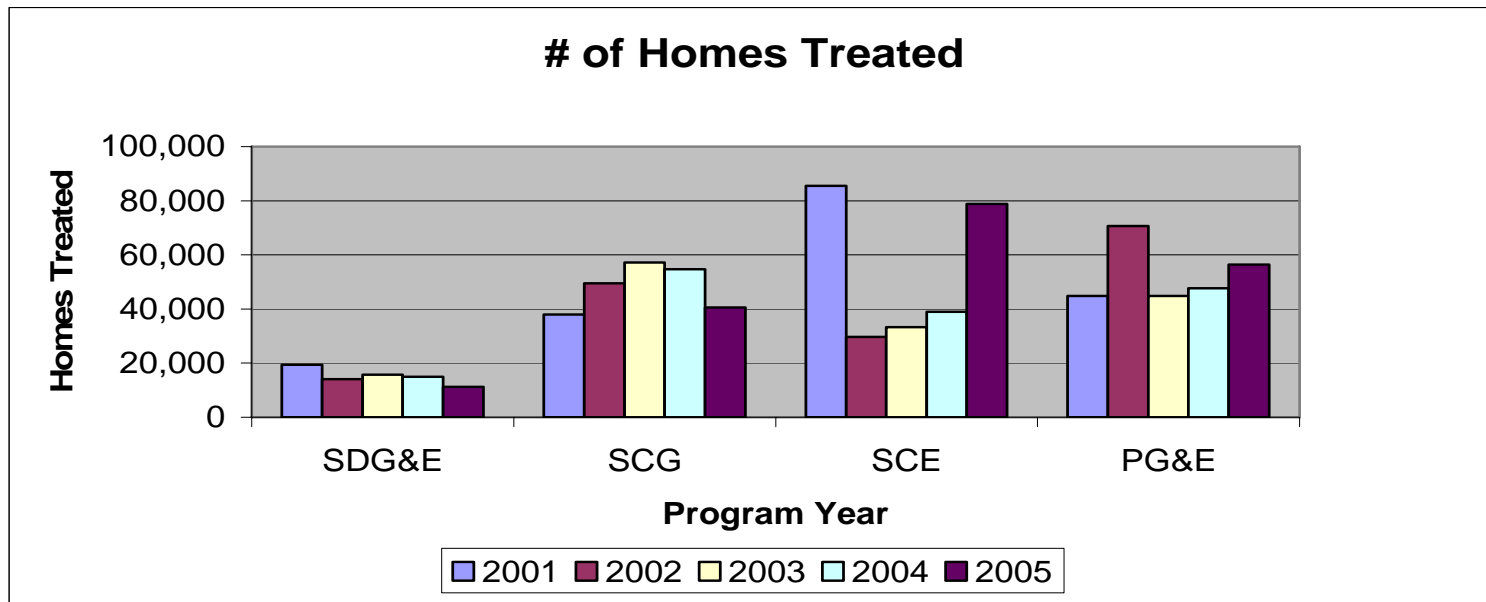
- Attic Insulation
- Low Flow Showerheads
- Water Heater Blankets
- Door Weatherstripping
- Attic Access Weatherstripping
- Caulking
- Outlet Gaskets
- Faucet Aerators
- Water Heater Pipe Wrap
- Evaporative Coolers
- Evaporative Cooler Covers
- Refrigerator Replacement
- Hard-Wired Compact Fluorescent Porch lights
- Compact Fluorescent Lamps
- Window/Wall Air Conditioners
- Central A/C
- Minor Home Repairs
- Furnace Repair and Replacement
- Duct Testing and Sealing

LIEE Accomplishments

- From 2001-2005:
 - 845,855 homes treated
 - \$573,570,220 expensed
 - 233,414 MWh saved
 - 10,928 MTherms saved

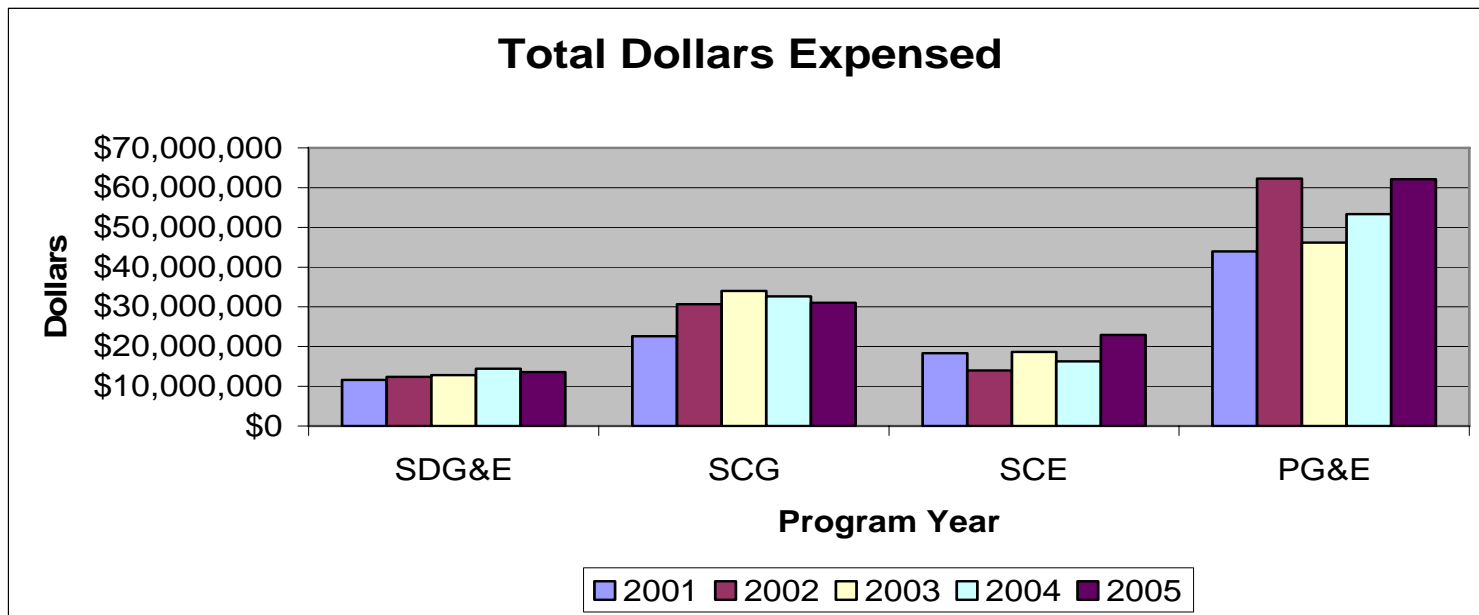
LIEE Homes Treated Since 2001

Year	SDG&E	SCG	SCE	PG&E	Total
2001	19,315	37,954	85,509	44,797	187,575
2002	14,089	49,464	29,685	70,683	163,921
2003	15,706	57,179	33,348	44,837	151,070
2004	14,897	54,677	38,996	47,702	156,272
2005	11,254	40,523	78,852	56,388	187,017
Total	75,261	239,797	266,390	264,407	845,855



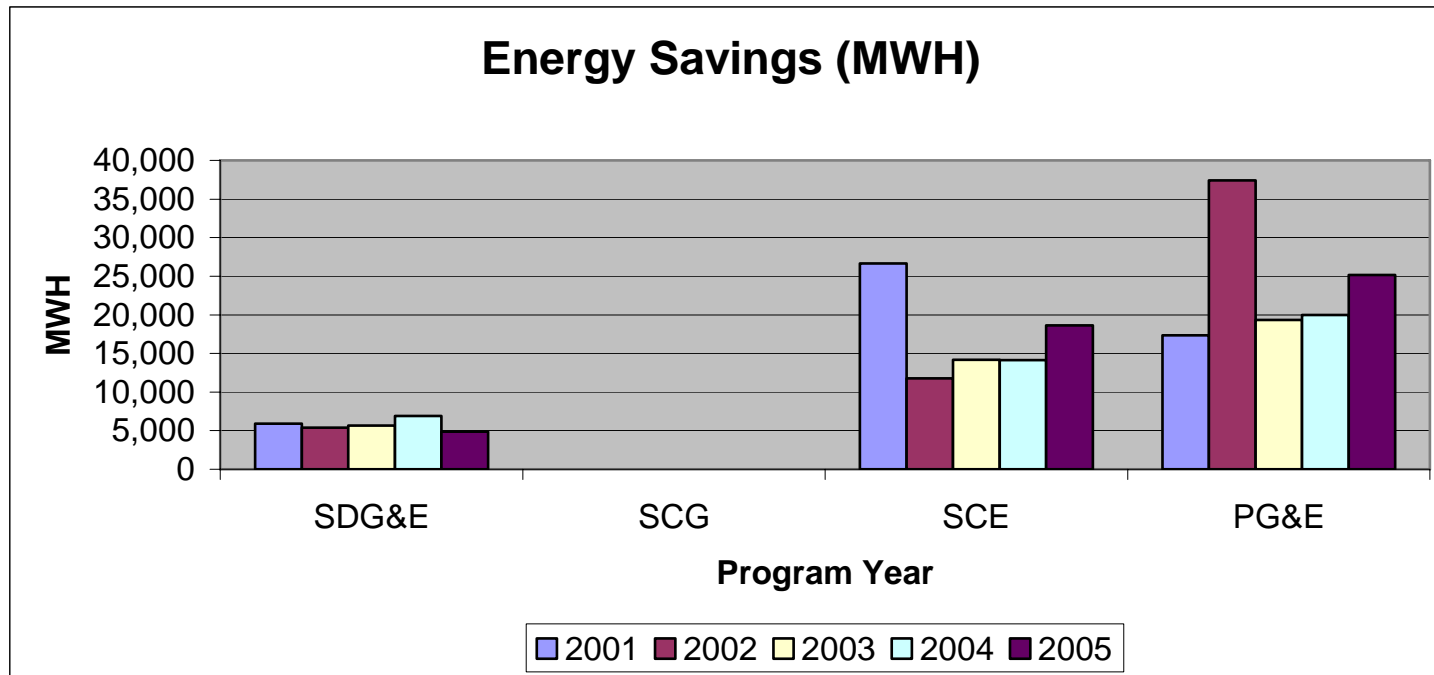
LIEE Dollars Expensed Since 2001

Year	SDG&E	SCG	SCE	PG&E	Total
2001	\$11,624,160	\$22,596,860	\$18,313,491	\$ 43,946,316	\$ 96,480,827
2002	\$12,346,104	\$30,666,411	\$13,971,453	\$ 62,269,590	\$ 119,253,558
2003	\$12,866,391	\$33,998,942	\$18,664,182	\$ 46,121,192	\$ 111,650,707
2004	\$14,405,365	\$32,595,808	\$16,264,897	\$ 53,309,325	\$ 116,575,395
2005	\$13,582,129	\$31,016,670	\$22,896,323	\$ 62,114,611	\$ 129,609,733
Total	\$ 64,824,149	\$ 150,874,691	\$ 90,110,346	\$ 267,761,034	\$ 573,570,220



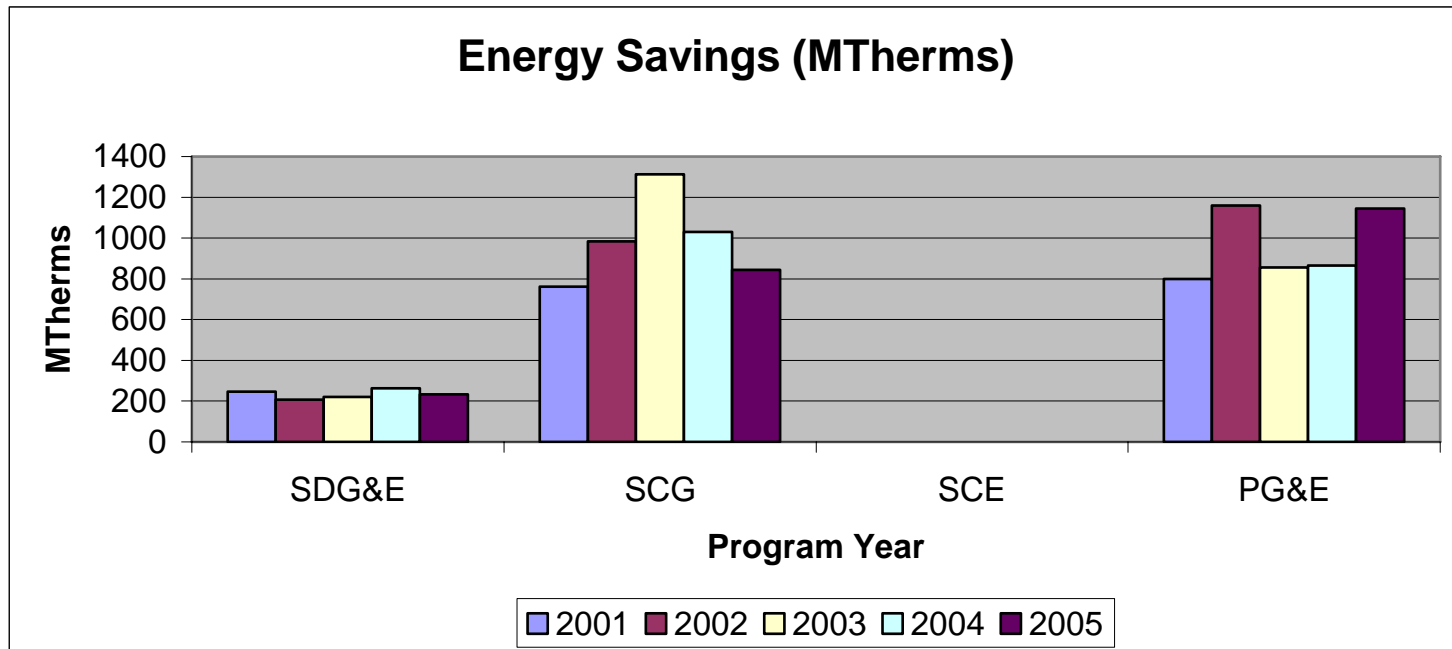
LIEE Energy Savings Since 2001

Year	SDG&E	SCG	SCE	PG&E	Total
2001	5,902	0	26,663	17,346	49,911
2002	5,402	0	11,795	37,409	54,606
2003	5,640	0	14,209	19,342	39,191
2004	6,887	0	14,138	19,974	40,999
2005	4,885	0	18,669	25,153	48,707
Total	28,716	0	85,474	119,224	233,414



LIEE Therm Savings Since 2001

Year	SDG&E	SCG	SCE	PG&E	Total
2001	247	762	0	799	1,808
2002	208	984	0	1,159	2,351
2003	220	1,312	0	855	2,387
2004	263	1,030	0	866	2,159
2005	234	844	0	1,145	2,223
Total	1,172	4,932	0	4,824	10,928



LIEE Successes

- LIEE programs are coordinated statewide so that customers are provided similar services.
 - Since 2000, the four IOUs have worked together with the CPUC to standardize our low income program offerings.
 - Measures are assessed for cost effectiveness by climate zone.
 - Statewide installation standards are used.
- Customers receive comprehensive LIEE services, with all feasible measures provided for maximum benefits.



LIEE Successes

- IOUs work extensively with local agencies and organizations to promote programs and provide services.
- LIEE programs are leveraged with other IOU programs (such as the CARE rate discount program) and state and federal programs that assist these customers, so that they receive information and services from all available programs.



LIEE Successes

- Outreach is targeted to specific low income customer groups and needs (for example: seniors, ethnic communities).
- Program information is provided in multiple languages.
- LIEE contractors go through rigorous energy education and installation training, provided by the IOUs.



LIEE Successes

- Several of the IOUs share the same web-based, real-time database structure. This allows them to report and track consistent LIEE program data.
- Statewide load impact evaluations are conducted.
- Cost effectiveness is assessed at the program and measure levels, and include non-energy benefits.



Future Directions

- Continue to implement program improvements and efficiencies so that more low income customers can be served.
- Continue to improve outreach methods to reach and serve more eligible customers.
- Provide measures that maximize energy and bill savings benefits for low income customers.